

## **William Schaffner, M.D.**

### **Publications**

#### **Original Articles**

- Craig AS, Erwin PC, **Schaffner W**, Elliot JA, Moore WL, Ussery XT, Patterson L, Dake AD, Hannah SG, Butler JC. Carriage of multidrug-resistant *Streptococcus pneumoniae* and impact of chemoprophylaxis during an outbreak of meningitis at a day care center. *Clin Infect Dis* 1999; 29: 1257-1264.
- Jones TF, Craig AS, Nasci RS, Patterson LER, Erwin PC, Gerhardt RR, Ussery XT, **Schaffner W**. Newly recognized focus of La Crosse encephalitis in Tennessee. *Clin Infect Dis* 1999;28:93-97.
- Jones TF, Craig AS, Paddock CD, McKechnie DB, Childs JE, Zaki SR, **Schaffner W**. Family cluster of Rocky Mountain spotted fever. *Clin Infect Dis* 1999; 28:853-859.
- Jones TF, Swinger GL, Craig AS, McNeil MM, Kaufman L, **Schaffner W**. Acute pulmonary histoplasmosis in bridge workers: a persistent problem. *Am J Med* 1999;106:480-482.
- Jones TF, Craig AS, Valway SE, Woodley CL, **Schaffner W**. Transmission of tuberculosis in a jail. *Ann Int Med* 1999;131:557-563.
- Jones TF, Moore WL, Craig AS, Reasons R, **Schaffner W**. Hidden threats: lead poisoning from unusual sources. *Pediatrics* 1999; 104: 1223-1225.
- Green K, Schulman G, Haas DW, **Schaffner W**, D'Agata EMC. Vancomycin prescribing practices in hospitalized chronic hemodialysis patients. *Am J Kidney Dis* 2000; 35: 64-68.
- D'Agata EMC, Mount DB, Thayer V, **Schaffner W**. Hospital-acquired infections among chronic hemodialysis patients. *Am J Kidney Dis* 2000; 35: 1083-1088.
- D'Agata EMC, Green WK, Schulman G, Li H, Tang Y-W, **Schaffner W**. Vancomycin-resistant enterococci among chronic hemodialysis patients: A prospective study on acquisition. *Clin Infect Dis* 2001; 32: 23-29.

- Jones TF, Craig AS, Hoy D, Gunter EW, Ashley DL, Barr DB, Brock JW, **Schaffner W.** Mass psychogenic illness attributed to toxic exposure at a high school. *N Engl J Med* 2000; 342: 96-100.
- Jones TF, Erwin PC, Craig AS, Baker P, Touhey KE, Patterson LER, **Schaffner W.** Serological survey and active surveillance for LaCrosse virus infections among children in Tennessee. *Clin Infect Dis* 2000; 31: 1284-1287.
- D'Agata EMC, Thayer V, **Schaffner W.** An outbreak of *Acinetobacter baumannii*: The importance of cross-transmission. *Infect Cont Hosp Epidemiol* 2000; 21: 588-591.
- Jones TF, **Schaffner W.** Miniature chest radiograph screening for tuberculosis in jails: a cost-effectiveness analysis. *Am J Resp Crit Care Med* 2001; 164:77-81.
- Perz JF, Craig AS, **Schaffner W.** Mixed outbreak of imported parainfluenza type 1 and influenza B associated with tourism and air travel. *Intl J Infect Dis* 2001; 5: 189-191.
- Jones TF, Feler CA, Simmons BP, Melton K, Craig AS, Moore WL, Smith MD, **Schaffner W.** Neurologic complications including paralysis after a medication error involving implanted intrathecal catheters. *Am J Med* 2002; 112: 31-36.
- Perz JF, Craig AS, Jorgensen DM, Hall S, **Schaffner W.** Evaluation of innovative surveillance for drug-resistant *Streptococcus pneumoniae*. *Am J Epidemiol* 2001; 154: 1000-1005.
- Jones TF, Woodley CL, Fountain FF, **Schaffner W.** Increased incidence of the outbreak strain of *Mycobacterium tuberculosis* in the surrounding community after an outbreak in a jail. *South Med J* 2003; 96: 155-157
- Hyde TB, Gay K, Stephens DS, Vugia DJ, Pass M, Johnson S, Barrett NL, **Schaffner W**, Cieslak PR, Maupin PS, Zell ER, Jorgensen JH, Facklam RR, Whitney CG for the Active Bacterial Core Surveillance/Emerging Infections Program Network. Macrolide resistance among invasive *Streptococcus pneumoniae* isolates. *JAMA* 2001; 286: 1857-1862.
- Jones TF, Kellum ME, Porter SS, Bell M, **Schaffner W.** An outbreak of community-acquired foodborne illness due to methicillin-resistant *Staphylococcus aureus*. *Emerging Infect Dis* 2002; 8: 82-84.
- Erwin PC, Jones TF, Gerhardt RR, Halford SK, Smith AB, Patterson LER, Gottfried KL, Burkhalter KL, Nasci RS, **Schaffner W.** LaCrosse encephalitis in eastern Tennessee: clinical, environmental and

entomological characteristics from a blinded cohort study. Am J Epidemiol 2002; 155: 1060-1065.

Perz JF, Craig AS, Coffey CS, Jorgensen DM, Mitchel E, Hall S, **Schaffner W**, Griffin, MR. Changes in antibiotic prescribing for children after a community-wide campaign. JAMA 2002; 287: 3103-3109.

Jones TF, Garman RL, LaFleur B, Stephan S, **Schaffner W**. Risk factors for tick exposure and suboptimal adherence to preventive recommendations. Am J Prevent Med 2002; 23: 47-50.

Kirschke DL, Jones TF, Buckingham SC, Craig AS, **Schaffner W**. Outbreak of aseptic meningitis associated with echovirus 13. Pediatr Infect Dis J 2002; 21: 1034-1038.

Kirschke DL, Jones TF, Craig AS, Chu PS, Mayernick GG, Patel JA, **Schaffner W**. Pseudomonas aeruginosa and Serratia marcescens contamination associated with a manufacturing defect in bronchoscopes. N Engl J Med 2003; 348: 214-220.

Kirschke DL, Jones TF, Stratton CW, Barnett JA, **Schaffner W**. Outbreak of joint and soft-tissue infections associated with injections from a multiple-dose medication vial. Clin Infect Dis 2003; 36: 1369-1373.

Jones TF, Benson RF, Brown EW, Rowland JR, Crosier SC, **Schaffner W**. Epidemiologic investigation of a restaurant-associated outbreak of Pontiac fever. Clin Infect Dis 2003; 37:1292-1297.

Cano MV, Perz JF, Craig AS, Liu M, Lyon GM, Brandt ME, Lott TJ, Lasker BA, Barrett FF, McNeil MM, **Schaffner W**, Hajjeh RA. Candidemia in pediatric outpatients receiving home total parenteral nutrition. Medical Mycology 2005; 43: 219-225.

McCormick AW, Whitney CG, Farley MM, Lynfield R, Harrison LH, Bennett NM, **Schaffner W**, Reingold A, Hadler J, Cieslak P, Samore MH, Lipsitch M. Geographic diversity and temporal trends of antimicrobial resistance in Streptococcus pneumoniae in the United States. Nature Medicine 2003; 9: 424-430.

Jones TF, Buckingham SC, Bopp CA, Ribot E, **Schaffner W**. From pig to pacifier: chitterling-associated yersinosis outbreak among black infants. Emerging Infect Dis 2003; 9:1007-1009.

Kirschke DL, Craig AS, **Schaffner W**, Daugherty JR, Narramore J, Griffin MR. Childhood immunization rates before and after the implementation of Medicaid managed care. Arch Pediatr Adol Med 2004; 158: 230-235.

Jones TF, Pavlin BI, LaFleur BJ, Ingram LA, **Schaffner W.** Restaurant inspection scores and foodborne disease. *Emerging Infect Dis* 2004; 10: 688-692.

Eisenberg E, Craig AS, Gautam S, Khalil MM, Shaktour B, **Schaffner W**, Griffin MR. Beyond Screening: Identifying new barriers to early onset Group B streptococcal disease prevention. *Pediatr Infect Dis J* 2005; 24: 520-524.

Kirschke DL, Jones TF, Smith NM, **Schaffner W.** Photokeratitis and UV-radiation burns associated with damaged metal halide lamps. *Arch Pediatr Adol Med* 2004; 158: 372-376.

Cassady JD, Kirschke DL, Jones TF, Craig AS, Bermudez OB, **Schaffner W.** Case Series: Outbreak of conversion disorder among Amish adolescent girls. *J Am Acad Child Adol Psych* 2005; 44:291-297.

Heavrin BS, Jones TF, Shavor TJ, **Schaffner W.** The changing epidemiology of HIV/AIDS in Tennessee. *Tennessee Medicine* 2004; 97: 357-360.

Talbot TR, Poehling KA, Hartert TV, Arbogast PG, Halasa NB, Mitchel E, **Schaffner W**, Craig AS, Edwards KM, Griffin MR. Elimination of racial differences in invasive pneumococcal disease in young children after introduction of the conjugate pneumococcal vaccine. *Pediatr Infect Dis J* 2004; 23: 726-731.

Talbot TR, D'Agata EMC, Brinsko V, Lee B, Speroff T, **Schaffner W.** Perioperative blood transfusion is predictive of poststernotomy surgical site infection: marker for morbidity or true immunosuppressant? *Clin Infect Dis* 2004; 38: 1378-1382.

Jones TF, Larson C, McCauley T, Gottfried K, **Schaffner W.** Public knowledge, attitudes and behaviors regarding West Nile virus. *Infect Dis Clin Pract* 2005; 13:2-4.

Talbot TR, Poehling KA, Hartert TV, Arbogast PG, Halasa NB, Mitchel E, **Schaffner W**, Craig AS, Edwards KM, Griffin MR. Reduction in rates of antibiotic-nonsusceptible invasive pneumococcal disease in Tennessee following introduction of the pneumococcal conjugate vaccine. *Clin Infect Dis* 2004; 39: 641-648.

Colmenares JP, Craig AS, Chu PS, **Schaffner W.** Emergency department evaluation of febrile children after the introduction of Prevnar. *Tennessee Medicine* 2005; 98: 184-186..

Talbot TR, Poehling KA, Hartert TV, Arbogast PG, Halasa NB, Edwards KM, **Schaffner W**, Craig AS, Griffin MR. Seasonality of invasive pneumococcal

disease: temporal relation to documented influenza and respiratory syncytial viral circulation. Am J Med 2005; 118: 285-291.

Jones TF, Ingram LA, Craig AS, **Schaffner W**. Determinants of influenza vaccination, 2003-2004: shortages, fallacies and disparities. Clin Infect Dis 2004; 39: 1824-1828.

Talbot, TR, Hartert TV, Mitchel E, Halasa NB, Arbogast PG, Poehling KA, **Schaffner W**, Craig AS, Griffin MR. Asthma as a risk factor for invasive pneumococcal disease. N Engl J Med 2005; 353: 2082-2090.

Wolter N, Smith AM, Farrell DJ, **Schaffner W**, Moore M, Whitney CG, Jorgensen JH, Klugman KP. Novel mechanism of resistance to oxazolidinones, macrolides and chloramphenicol in ribosomal protein L4 of the pneumococcus. Antimicrob Agents and Chemother 2005; 49: 3558-3561.

Flannery B, Heffernan RT, Harrison LH, Ray SM, Reingold AL, Hadler J, **Schaffner W**, Lynfield R, Thomas AR, Li J, Campsmith M, Whitney CG, Schuchat A. Changes in invasive pneumococcal disease among HIV-infected adults living in the era of childhood pneumococcal immunization. Ann Int Med 2006; 144: 1-9.

Devasia RA, Jones TF, Ward J, Stafford L, Hardin H, Bopp C, Beatty M, Mintz E, **Schaffner W**. Endemically acquired foodborne outbreak of enterotoxin-producing *Escherichia coli* serotype O169:H41. Am J Med 2006; 119: 168 e7-e10.

Grijalva CG, Craig AS, Dupont WD, Bridges CB, Schrag SJ, Iwane MK, **Schaffner W**, Edwards KM, Griffin MR. Estimating influenza hospitalizations among children. Emerging Infect Dis 2006; 12: 103-109.

Lexau CA, Lynfield R, Danila R, Pilishvili T, Facklam R, Farley MM, Harrison LH, **Schaffner W**, Reingold A, Bennett NM, Hadler J, Cieslak PR, Whitney CG for the Active Bacterial Core Surveillance Team. Changing epidemiology of invasive pneumococcal disease among older adults in the era of pediatric pneumococcal conjugate vaccine. JAMA 2005; 294: 2043-2051.

Halasa NB, Williams JV, Wilson GJ, Walsh WF, **Schaffner W**, Wright PF. Medical and economic impact of a respiratory syncytial virus outbreak in a neonatal intensive care unit. Pediatr Infect Dis J 2005; 24: 1040-1044.

Perz JF, Craig AS, Stratton CW, Bodner SJ, Phillips WE, **Schaffner W**. *Pseudomonas putida* septicemia in a special care nursery due to contaminated flush solutions prepared in a hospital pharmacy. J Clin Micro 2005; 43:5316-5318.

Devasia RA, Kainer MA, Jones TF, Halford S, Sheeler L, Erwin PC, Craig AS, **Schaffner W.** Compliance with azithromycin and erythromycin prophylaxis in an outbreak of pertussis. (submitted for publication)

Devasia RA, Jones TF, Kainer MA, Halford S, Sheeler L, Swift J, **Schaffner W.** Two community hepatitis B outbreaks: An argument for vaccinating incarcerated person. Vaccine (in press).

Ma KK, **Schaffner W**, Colmenares C, Howser J, Jones J, Poehling KA. Influenza vaccinations of young children increased with media coverage in 2003. Pediatrics 2006; 117: e157-e163.

Kyaw MH, Lynfield R, **Schaffner W**, Craig AS, Hadler J, Reingold A, Cieslak PR, Harrison LH, Bennett NM, Farley MM, Facklam RR, Jorgensen J, Besser J, Zell ER, Schuchat A, Whitney CG. Effect of pneumococcal conjugate *Streptococcus pneumoniae*. N Engl J Med (in press).

Schrag SJ, Shay DK, Gershman K, Thomas A, Craig AS, **Schaffner W**, Harrison LH, Vugia D, Clogher P, Lynfield R, Farley M, Zansky S, Zell ER, Wang S, Uyeki T, Fukuda K for the Emerging Infections Program Respiratory Diseases Activity. Multistate surveillance for laboratory-confirmed influenza-associated hospitalizations in children, 2003-2004. Pediatr Infect Dis J (in press).

Jones TF, Creech CB, Erwin P, Baird SG, Woron AM, **Schaffner W.** Family outbreaks of invasive community-associated methicillin-resistant *Staphylococcus aureus*. Clin Infect Dis (in press).

Poehling KA, Talbot TR, Griffin MR, Craig AS, Whitney CG, Zell E, Lexau CA, Thomas AR, Harrison LH, Reingold AL, Hadler JL, Farley MM, Anderson BJ, **Schaffner W.** Decline in invasive pneumococcal disease among young infants and elimination of racial differences in disease rates following introduction of the pneumococcal conjugate vaccine. JAMA 2006 (in press).

### **Chapters, Invited Reviews, etc.**

**Schaffner W.** Guiding infection control in the health care setting: Change is constant. Forward in Saunders Infection Control Reference Service, 2<sup>nd</sup> Ed, edited by E Abrutyn, DA Goldmann, WE Scheckler. WB Saunders Co, Philadelphia, 2001, p xiii.

Standaert SM, **Schaffner W**. Ehrlichiosis. In McGraw-Hill 1998 Yearbook of Science and Technology, edited by SP Parker et al. McGraw-Hill Co, New York, 1997, pp 107-108.

**Schaffner W**. Q&A: Varicella vaccination for adolescents with asthma. *Pediatr Infect Dis* 997;16:723.

Boyce TG, Craig AS, **Schaffner W**, Dermody TS. Your diagnosis, please: Fever and encephalopathy in two school-age boys. *Pediatr Infect Dis J* 1998; 17: 935, 939-940.

**Schaffner W**. Travel medicine: on the road to good health. *Patient Care* 1998; 32(No. 14): 112-114.

Horowitz H, Niederman M, **Schaffner W**: Common conditions. 2. HIV disease, persistent fever, nonresolving pneumonia, tuberculosis. *Patient Care* 1999; 33 (No 5): 28-50.

Manian FA, **Schaffner W**: Hepatitis B vaccine. Chapter 4 in Immunizing Healthcare Workers: A Practical Approach, edited by GA Poland, W Schaffner, G. Pugliese. Slack Inc., Thorofare NJ, 2000, pp 65-74.

Decker MD, **Schaffner W**: Vaccinia (smallpox) vaccine. Chapter 16 in Immunizing Healthcare Workers: A Practical Approach, edited by GA Poland, W Schaffner, G. Pugliese. Slack Inc, Thorofare NJ, 2000, pp 181-188.

Martone WJ, **Schaffner W**, Collins M, Harrison LH, Perkins BA, Peter G, Rosenstein NE. The changing epidemiology of meningococcal disease in the U.S. with an emphasis on college health issues. Postgraduate Institute for Medicine, Englewood, Colorado, 1999, pp 1-18.

**Schaffner W**, Rosenstein NE, Stephens DS, Harrison LH, Kaczmarski EB, Laforce FM. The changing global epidemiology of meningococcal disease with an emphasis on future prevention. Postgraduate Institute for Medicine, Englewood, Colorado, 2002, pp 1-23.

**Schaffner W**, Harrison LH, Kaplan SL, Miller E, Orenstein W, Peter G, Rosenstein NE. The changing epidemiology of meningococcal disease among U.S. children, adolescents and young adults. National Foundation for Infectious Diseases, Bethesda, MD, 2004, pp 1-15.

**Schaffner W**, Harrison LH, Kaplan SL, Miller E, Orenstein WA, Peter G, Rosenstein NE. Reducing the impact of meningococcal disease in adolescents and young adults. National Foundation for Infectious Diseases, Bethesda, MD, 2005, pp 1-19.

Dennis DT, Fikrig E, **Schaffner W**. Now you can prevent Lyme Disease. Patient Care 1999; 33 (No. 11): 180-209.

**Schaffner W**, Sedlacek TA, Steller MA: Monitoring HPV infection. Patient Care 2000; 34 (No. 5): 142-167.

Armitage KB, Brooks JT, Jones TF, **Schaffner W**: Microbes on the menu: Recognizing foodborne illness. Patient Care 2000; 34 (No.11): 45-75.

Neuzil KM, Griffin MR, **Schaffner W**: Influenza vaccine: Issues and opportunities. Infect Dis Clin N Am 2001; 15: 123-141.

Glezen WP, Mostow SR, **Schaffner W**: The revolution in influenza care. Patient Care 2000; 34 (No. 20): 22-24

Turner RB, **Schaffner W**: Will anything work for the common cold? Patient Care 2000; 34 (No. 22): 15-33.

Cook JL, Iseman MD, Jones TF, **Schaffner W**: Renewed efforts toward TB control. Patient Care 2001; 35 (No. 4): 37-51.

Whitney CG, **Schaffner W**, Butler JC: Rethinking recommendations for use of pneumococcal vaccines in adults. Clin Infect Dis. 2001; 33: 662-675.

Jones TF, **Schaffner W**: Mass psychogenic illness. J Irish Coll Phys Surgs 2001; 30: 201-204.

Chan-Tack KM, Rhew DC, **Schaffner W**: Community-acquired pneumonia: Advice from the new guidelines. Patient Care 2001; 35 (No. 23): 36-59.

Temte JL, Quinlisk MP, **Schaffner W**: Bioterrorism: a primary care perspective. Patient Care 2002; 36 (No. 6): 38-48.

**Schaffner W**, Jackson RE, Gully PR, Chow EA, Keener PA, Martone WJ, Orenstein W, Pacheco H, Plotkin S. Can full immunization be achieved in the American and Canadian mosaics? Reaching underserved ethnic populations with a focus on pediatric immunization. National Foundation for Infectious Diseases, Bethesda, MD, 2002, pp 1-23.

**Schaffner W**, Jackson RE, Chow EA, King A, Marton WJ, Middleman AB, Neumann D, Nichol KL, Pacheco H, Sullivan L, Yusuf H. A report on reaching underserved ethnic and minority populations to improve adolescent and adult immunization rates. National Foundation for Infectious Diseases, Bethesda, MD, 2002, pp 1-31.

Jones TF, **Schaffner W**. Infecciones por virus LaCrosse en Tennessee: una infección emergente (LaCrosse virus infections in Tennessee: an emerging infection). Salud i Ciencia 2003; 11:26-27.

**Schaffner W**. Tularemia. Chapter 332 in Cecil Textbook of Medicine 22<sup>nd</sup> Ed edited by L Goldman and D Ausiello. WB Saunders Co, Philadelphia 2004, pp 1868-1870.

**Schaffner W**. Tularemia. Chapter 326 in Cecil Textbook of Medicine 23<sup>rd</sup> Ed edited by L. Goldman and D. Ausiello. WB Saunders Co, Philadelphia (in press).

Craig AS, **Schaffner W**. Prevention of hepatitis A using hepatitis A vaccine. N Engl J Med 2004; 350:476-481.

National Vaccine Advisory Committee (**W Schaffner**, member). Strengthening the supply of routinely recommended vaccines in the United States. Recommendations from the National Vaccine Advisory Committee. JAMA 2003; 290:3122-3128.

**Schaffner W**, Nichol KL, Cox NJ, Novick L, Lundstrom T, Siegel JD. Improving influenza vaccination rates in healthcare workers. Strategies to increase protection for workers and patients. National Foundation for Infectious Diseases, Bethesda, MD, 2004, pp1-21.

**Schaffner W**, Jones TF. Immunizing older adults against tetanus and diphtheria. Patient Care 2004; 38 (No 10): 18-22.

Cosgrove SE, Fishman NO, Talbot TR, Woeltje KF, **Schaffner W**, Fraser VJ, McMillan JA, Perl TM. Strategies for use of a limited influenza vaccine supply. JAMA 2005; 293: 229-232.

**Schaffner W**, Brooks DA, Jenson HB, Juszczak L, Word BM: Adolescent vaccination: bridging from a strong childhood foundation to a healthy adulthood. National Foundation for Infectious Diseases, Bethesda, MD, 2005, pp1-24.

Helms CM, Guerra FA, Klein JO, **Schaffner W**, Arvin AM, Peter G. Strengthening the nation's influenza vaccination system: A National Vaccine Advisory Committee assessment. Am J Prevent Med 2005; 29: 221-226.

**Schaffner W**. Drotman DP, Ooi W. Heed the warnings about emerging infections. Patient Care 2005; 39 (No. 6): 50-57.

Creech CB, Saravolatz LD, **Schaffner W.** Community-acquired MRSA's surprising targets. Patient Care 2005; 39 (No. 7): 30-34.

Hinman AR, National Vaccine Advisory Committee (**W Schaffner**, member). Financing vaccines in the 21<sup>st</sup> century. Recommendations from the National Vaccine Advisory Committee. Am J Prev Med 2005; 29: 71-75.